MINI ROKET

ROKHARVLED

Double Sided Beam and Wash Moving Head

USER MANUAL

CE

PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE

Please read these operating instructions carefully before operating this light fixture. These instructions contain important information regarding the use and maintenance of the unit. Please keep this manual with the unit for future reference.

WARNING: to prevent and reduce the risk of electrical shock fire, do not expose this unit to rain or moisture. Never look directly into the beam. Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.

Caution:

1. There are no user service parts inside this unit. Do not attempt any repairs yourself. Please refer to qualified service personnel for repairs at ROKHARV LED.
2. Ensure the power outlet matches the required voltage of this unit.
3. Disconnect from the mains supply before making any connections.
4. When mounting this unit ensure proper ventilation is available.
5. This fixture is intended for indoor use only.
6. During long periods of non-use, disconnect the main power.
7. Always use the same lamp and fuse type. Disconnect the fixture from mains power allowing cooling time before replacing any lamps or fuses.
8. Use glass cleaner or soft cloth to wipe down the fixture and beam pods. Please ensure all parts are dry before using.
9. When Mounting/hanging the fixture please ensure this is done by qualified personnel.

CAUTION! Keep this device away from Rain and Moisture

CAUTION! Unplug mains lead before opening the housing.

Every person involved with the installation, operation and maintenance of this device has to:

-be qualified

-follow carefully the instructions of this manual

1. INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box/flightcase you should find:

1. One mains power cable
2. One user manual
3. One Omega bracket

Please check carefully that there is no damage caused by transportation.

Should there be any, please consult your dealer and don't install/use this device.

2 Mounting and installation

2.1 Cautions: for added protection do not mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, ensure that the installation area can hold a minimum point load of 10 times the device's weight. Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture, from a ceiling, or set on a flat level surface (see illustration below). Please ensure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials.

Always use and install the supplied safety cable as safety measure to prevent accidental damage and /or injury in the event that the clamp fails.

2.2 Mounting points:

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself as improper installation can result in bodily injury.

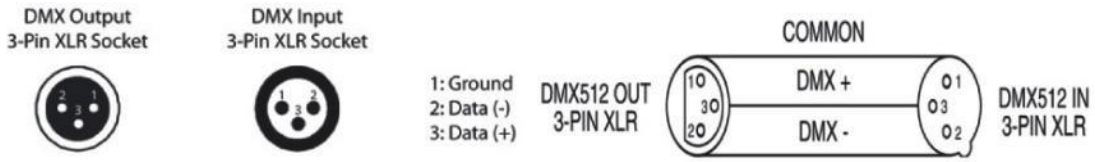
Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

2.3 Clamp mounting:

The LED moving head provides a unique mounting bracket assembly that integrates the bottom of the base, the included 'omega bracket' and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the centre hole of the omega bracket. As an added safety measure ensure at least one properly rated safety cable is attached to the fixture using one of the safety cable rigging points integrated in the base assembly.

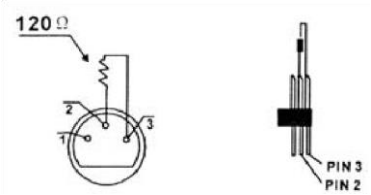
2.4 DMX-512 control connection

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.



2.4 DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



3 TECHNICAL PARAMETERS:

POWER SUPPLY: Input power: AC 100-240V 50/60 Hz

Power consumption: 70 W

LED: 1 PCS 10W RGBW CREE LED & 4 pcs 10W RGBW Tian Xin LED

DMX channel: 17/23channels modes

Movement: Pan/Tilt: X axis 540 degree, Y axis Endless rotation

Control mode: DMX512/Master-Slave/Auto run/sound to light

Display: LED display

8 internal programs, sound mode can be controlled by DXM 512

Beam angle: 3 /25 degree

IEC Mains Power input

DMX in / out 3 pin

WEIGHT & SIZE

N.W: 2.5kgs

G.W: 3.5kgs

Fixture size: 32.5x25x27cm

Packing size: 54X34X29cm (2pcs)

4 : MENU FUNCTION

1 Addr	**DMX Address**	001-512
2 ChMd	**DMX Mode**	=CH 17
		=CH 23
3 SLNd	**Run Mode**	**=Master**

		=Slave
4 SHNd	**Internal Program**	=001
		=002
		=003
		=004
		=005
		=006
		=007
		=008
5 Soun	**Sound Control**	**=OFF**
		=ON
6 PAN	**X Reverse**	**=OFF**
		=ON
7 TIL	**Y Reverse**	**=OFF**
		=ON
8 dISP	**Display Reverse**	**=OFF**
		=ON
9 rFAC	**Reset Default**	**=OFF**
		=ON
10 rST	**Reset Motor**	

5: Function Mode

5.1 DMX address setting

With this function, you can adjust the desired DMX-address via the menu.

Select via the required DMX channel, press enter to confirm.

Press the Mode/Esc-button in order return to the main menu.

Set DMX address

Display the DMX 512 value of each channel

With this function you can display the DMX 512 value of each channel. The display automatically shows the channel with a value changing.

5.2 DMX Mode

The LED moving head has 17CH and 23CH Modes

5.3 Run Mode

In Run mode you can choose Master mode or Slave mode.

5.4: Auto Play

With this function, you can run the 8 featured programs in master mode.

5.5 Sound

With this mode you can set the light to move to sound detection.

5.6 Pan Reverse

With this function you can reverse the Pan-movement.

5.7 Tilt Reverse

With this function you can reverse the Tilt -movement.

5.8 Display Reverse

With this function you can reverse the display-movement.

5.9: Reset Default

With this function, you can select restore factory settings for ON or OFF, the default is OFF.

5.10: Reset Motor

With this function, you can reset the device motor via the menu. You can select the different reset function by turning the encoder.

6: DMX CHANNELS

6.1: 17 channel definition table

Channel	DMX Value	Function
1	000 - 255	X
2	000-007	Empty
	008-255	X Motor Rotation (Slow to fast)
3	000 - 255	Y
4	000-007	Empty
	008-255	Y Motor Rotation (Slow to fast)
5	000-127	Y1 Mode
	128-255	Y2 Mode
6	000-255	Dimmer (0-100%)
7	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
8	000-255	Red
9	000-255	Green
10	000-255	Blue
11	000-255	White
12	000-007	Empty
	008-016	Y1-R

	017-025	Y1-G
	026-034	Y1-B
	035-043	Y1-W
	044-052	Y1-RG
	053-061	Y1-GB
	062-070	Y1-BW
	071-079	Y1-RW
	080-088	Y1-RGB
	089-097	Y1-GBW
	098-106	Y1-RBW
	107-115	Y1-RGW

	116-127	Y1-RGBW
	128-255	Y1-Macro Colour Line (Slow from slow to fast)
13	000-007	Empty
	008-016	Y2-R
	017-025	Y2-G
	026-034	Y2-B
	035-043	Y2-W
	044-052	Y2-RG
	053-061	Y2-GB
	062-070	Y2-BW
	071-079	Y2-RW
	080-088	Y2-RGB

	089-097	Y2-GBW
	098-106	Y2-RBW
	107-115	Y2-RGW
	116-127	Y2-RGBW
	128-255	Y2-Macro Colour Line(Slow from slow to fast)
14	000-007	Empty
	008-037	LED Auto Play 1
	038-067	LED Auto Play 2
	068-097	LED Auto Play 3
	098-127	LED Auto Play 4
	128-157	LED Auto Play 5
	158-187	LED Auto Play 6
	188-217	LED Auto Play 7
	218-247	Macro Colour Line
	248-255	LED Sound Control MODE
15	000-255	LED Auto Play Speed(Slow to Fast)
16	000-007	Empty
	008-032	X/Y auto run 1
	033-058	X/Y auto run 2
	059-084	X/Y auto run 3
	085-110	X/Y auto run 4
	111-136	X/Y auto run 5
	137-162	X/Y auto run 6
	163-188	X/Y auto run 7

	189-214	X/Y auto run 8
	215-240	X/Y auto run 9
	241-255	X/Y Sound Control
17	250-255	RESET(10S)

6.2 23 channel definition table

Channel	DMX Value	Function
1	000 - 255	X
2	000-007	Empty
	008-255	X Motor Rotation (Slow to fast)
3	000 - 255	X SPEED
4	000 - 255	Y
5	000-007	Empty
	008-255	Y Motor Rotation (Slow to fast)
6	000-127	Y1 Mode
	128-255	Y2 Mode
7	000 - 255	Y SPEED
8	000-255	Dimmer (0-100%)
9	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
10	000-255	Red1
11	000-255	Green1
12	000-255	Blue1

12	**000-255**	**White1**
14	**000-255**	**Red2**
15	**000-255**	**Green2**
16	**000-255**	**Blue2**
17	**000-255**	**White2**
18	**000-007**	**Empty**
	008-016	**Y1-R**
	017-025	**Y1-G**
	026-034	**Y1-B**
	035-043	**Y1-W**
	044-052	**Y1-RG**
	053-061	**Y1-GB**

	062-070	**Y1-BW**
	071-079	**Y1-RW**
	080-088	**Y1-RGB**
	089-097	**Y1-GBW**
	098-106	**Y1-RBW**
	107-115	**Y1-RGW**
	116-127	**Y1-RGBW**
	128-255	**Y1-Macro Color Line(Slow from slow to fast)**
19	**000-007**	**Empty**
	008-016	**Y2-R**
	017-025	**Y2-G**

	026-034	Y2-B
	035-043	Y2-W
	044-052	Y2-RG
	053-061	Y2-GB
	062-070	Y2-BW
	071-079	Y2-RW
	080-088	Y2-RGB
	089-097	Y2-GBW
	098-106	Y2-RBW
	107-115	Y2-RGW
	116-127	Y2-RGBW
	128-255	Y2-Macro Color Line(Slow from slow to fast)
20	000-007	Empty
	008-037	LED Auto Play 1
	038-067	LED Auto Play 2
	068-097	LED Auto Play 3
	098-127	LED Auto Play 4
	128-157	LED Auto Play 5
	158-187	LED Auto Play 6
	188-217	LED Auto Play 7
	218-247	Macro Color Line
	248-255	LED Sound Control MODE
21	000-255	LED Auto Play Speed(Slow to Fast)
22	000-007	Empty

	008-032	**X/Y auto run 1**
	033-058	**X/Y auto run 2**
	059-084	**X/Y auto run 3**
	085-110	**X/Y auto run 4**
	111-136	**X/Y auto run 5**
	137-162	**X/Y auto run 6**
	163-188	**X/Y auto run 7**
	189-214	**X/Y auto run 8**
	215-240	**X/Y auto run 9**
	241-255	**X/Y Sound Control**
23	**250-255**	**RESET(10S)**

Please note: Specification is subject to change without prior notice. ROKHARV LED Ltd